

Benefits of infrared absorptive resonance on human body

NASA has confirmed that the far infrared rays ("FIR") with wavelength of 4.0-14 microns is a indispensable electromagnetic wave for the survival of life on earth, and our invention patented 360° far-infrared radiant electric pendant heater with LED light provides FIR with major peak wavelengths between 9-12 microns (which can be differentiated from the quartz heating elements that usually provide FIR with major peak wavelengths between 1.6-4.0 microns due mainly to the very high temperature at which their heating elements operate and from which FIR of the said shorter peak wavelengths and also glaring visible light are generated), that coincide with the range of major peak wavelength (based upon Wein's Displacement Law summarized and recognized by German physicist William Wein at the end of the 19th century and assuming human body temperature to be 37°C or 310K) at around 9.4 microns of FIR emitted by the human body (see Table and Graph set out below), and it is stated that this may help, through photo-bio-modulation and absorptive resonance, to stimulate and increase metabolism between blood and tissue, and promote regeneration and fast healing trough improved micro-circulation in blood, and to afford leisure and comfort heating and may also provide health benefits in helping to improve blood circulation and body metabolism and to relief pain and discomfort.

INFRARED SPECTRAL EMISSIVITY (%)	
Wavelength (μm)	FESHAN-TIANPIN-DOUBLE-HEATING-TUBE (FIR Lamp Heating Element B)
4	76.7
5	74.0
6	63.7
7	61.7
8	68.3
9	82.2
10	90.0
11	89.5
12	80.8
13	67.4
14	61.5
15	64.4
16	62.7
17	64.3
18	39.7
19	34.5
20	36.0

